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d. a software driver in communication with the motion signal interpreter wherein the software driver accepts output signals from the motion interpreter and generates line scrolling commands in response to reception of the output signals, wherein the scrolling rate of the graphical display is constant when the rotatable element is rotated.

5 5. The input device of claim 4 wherein the motion interpreter comprises:

- a. a memory buffer that receives and stores motion signals from the motion signal generator;
- b. a timer that measures the predetermined period of time;
- c. a comparator connected with the memory buffer and the timer to check if a motion signal has been received by the memory buffer within the predetermined period of time; and
- d. an output signal generator in communication with the software driver.

10 6. The input device of claim 5 wherein the predetermined period of time is within the range of about 1 and about 300 milliseconds.

15 7. The input device of claim 6 wherein the predetermined period of time is within the range of about 15 and about 25 milliseconds.

20 8. The input device of claim 5 wherein the rotatable element is a scroll wheel.

9. The input device of claim 5 wherein the rotatable element is a track ball.

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